

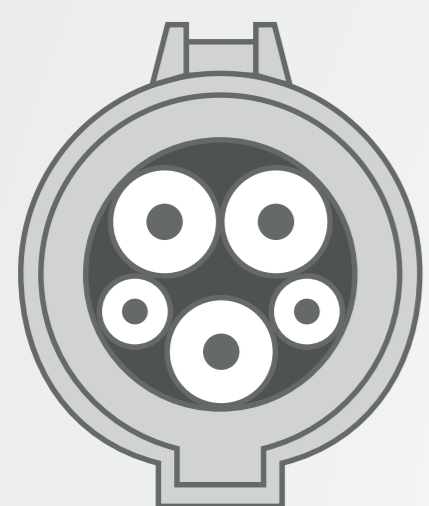
ELECTRIC VEHICLE CHARGER TYPES

AC Charging

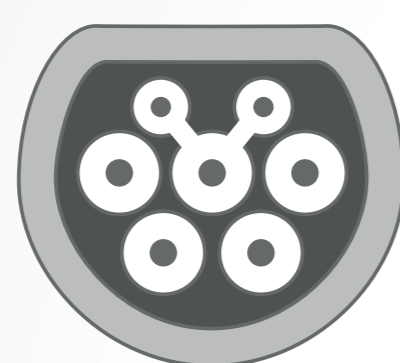
3.7 - 43 kW

- On-board charger (AC/DC conversion)
- At home/work/topping off while running errands

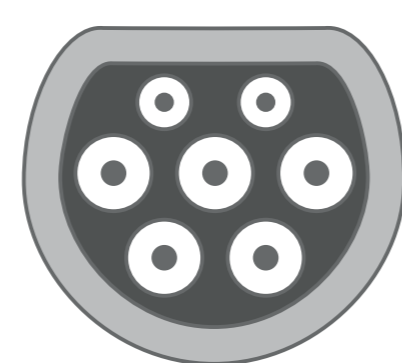
Type 1
North America
South America
Japan



Type 2
Europe
Australia
New Zealand



GB/T
People's Republic
of China



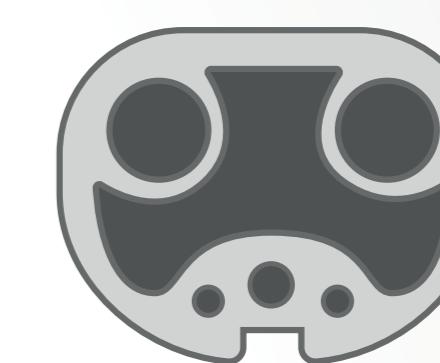
TESLA Supercharger

DC Charging

50 - 250 kW

- Proprietary charging station
- Bypasses on-board charger
- Charge during coffee/meal break

TESLA
Proprietary



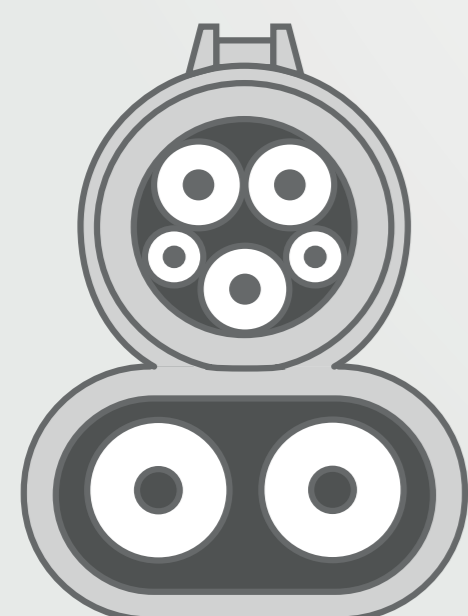
DC Fast Charging

50 - 150 kW

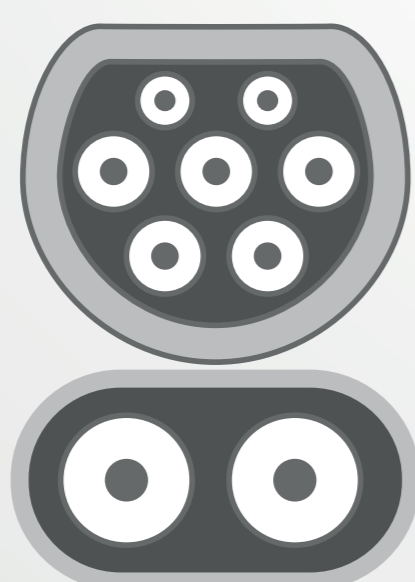
(no active cooling)

- Dedicated charging station
- Closer to traditional refueling experience

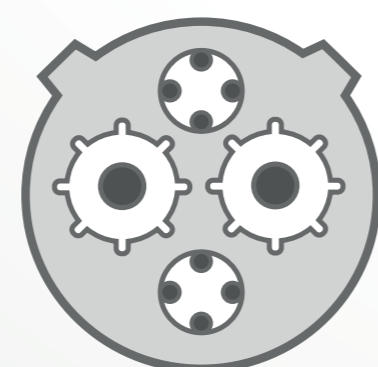
CCS1
North America
South America



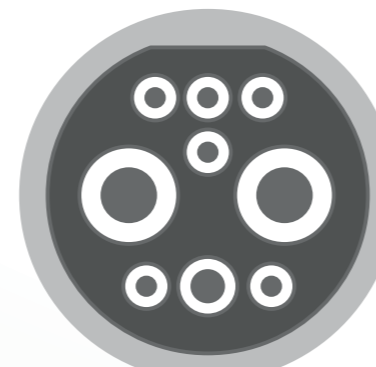
CCS2
Europe
Australia
New Zealand



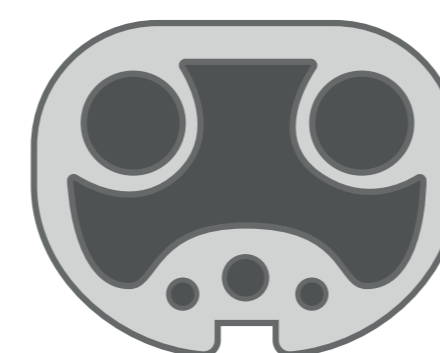
Japan DC
Japan



GB/T DC
People's Republic
of China



TESLA
Proprietary



DC High-Power Charging

200 - 500 kW

(requires active-cooled charging station)

Megawatt DC Charging

1 MW+

(under development)

- Dedicated high-power charging station
- Requires active cooling
- Similar to traditional refueling experience
- Ideal for commercial vehicles

Interface
not yet
defined

* Based upon 30 kWh/160 km (100 miles) average of current passenger car applications